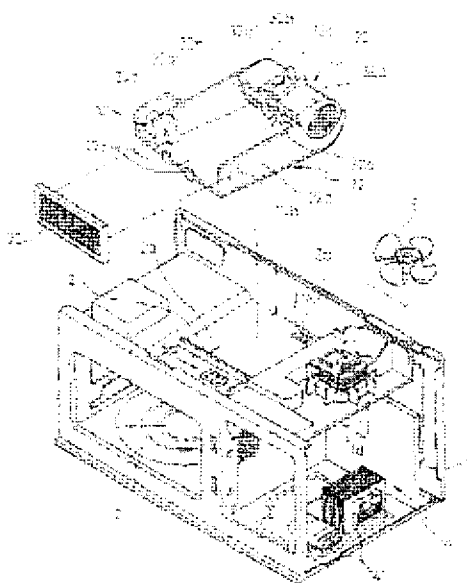# Exhausting hood micro-waven oven

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The present invention relates to a microwave oven, and more particularly, to a structure of a microwave oven that has more enhanced operating efficiency and makes less noise by independently forming a flow of air for a hood function and a flow of air for cooling an electric equipment installation chamber and by mounting an exhaust filter only on one side of an air duct. The present invention utilizes a ventilation motor assembly 132 for forming the flow of air for the hood function and the flow of air for cooling the electric equipment installation chamber. In addition, the flow of air discharged from the ventilation motor assembly 132 is forced to flow toward the air duct 122 which has passages divided into a first duct portion 202 and a second duct portion 204. Moreover, among the duct portions 202, 204, an exhaust filter 122' is installed only on the duct portion through which the flow of air for the hood function passes. Furthermore, the electric equipment installation chamber is formed at the relatively upper side of the cavity 102 so that electric equipments 104' are installed in a position adjacent to the ventilation motor assembly 132. According to the present invention having such structure, the air flows smoothly in the microwave oven, and noise due to the flow of air is minimized.

Fig. 1